

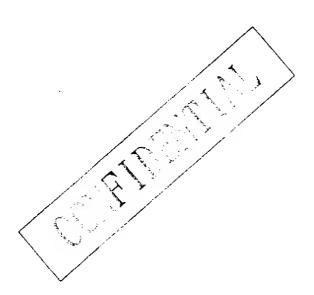
Plasmavision™

PDS4213W-H / PDS4214W-S PDS4213E-H / PDS4214E-S

SERVICE MANUAL

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FUJITSU GENERAL Proprietary



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TROUBLESHOOTING USING LED AND OSD

1. Display

(1) OSD

Two kinds of error messages are displayed on the screen, and the power is turned off 10 sec later.

(2) LED

LED error is displayed continuously after the power is turned off.

2. Error types and check points

(1) OSD

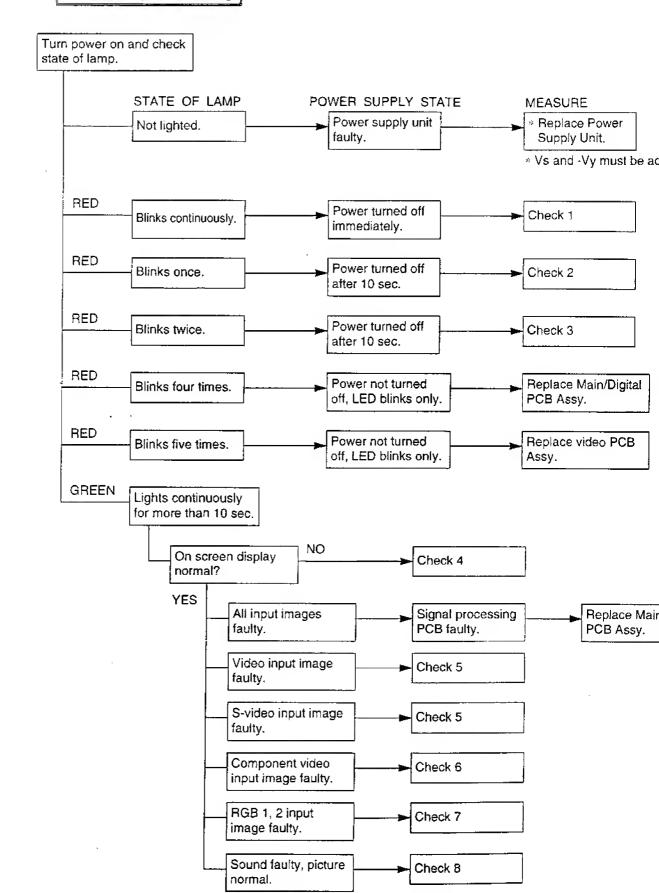
On screen display	Cause	Check point
ERROR MESSAGE CONDITION 1	Fan protector operated	FanAC/DC power unitDC/DC power PCBMain/Digital PCB
ERROR MESSAGE CONDITION 2	Temperature protector operated	Ambient temperature of unit Main/Digital PCB Temp. sensor PCB

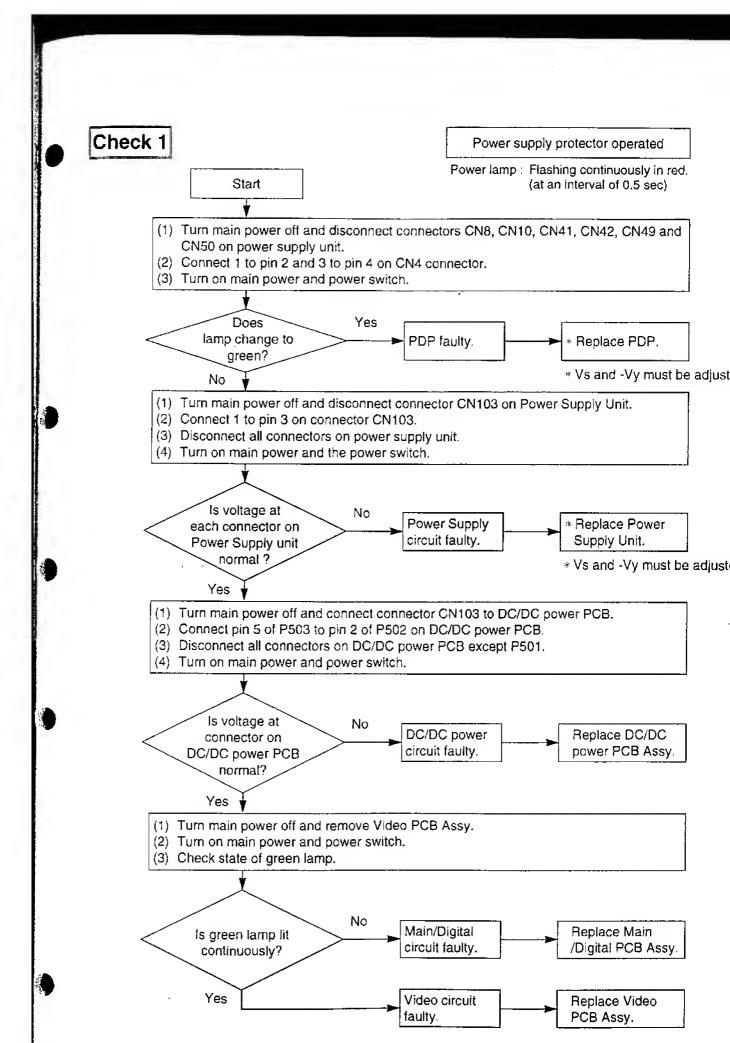
(2) LED

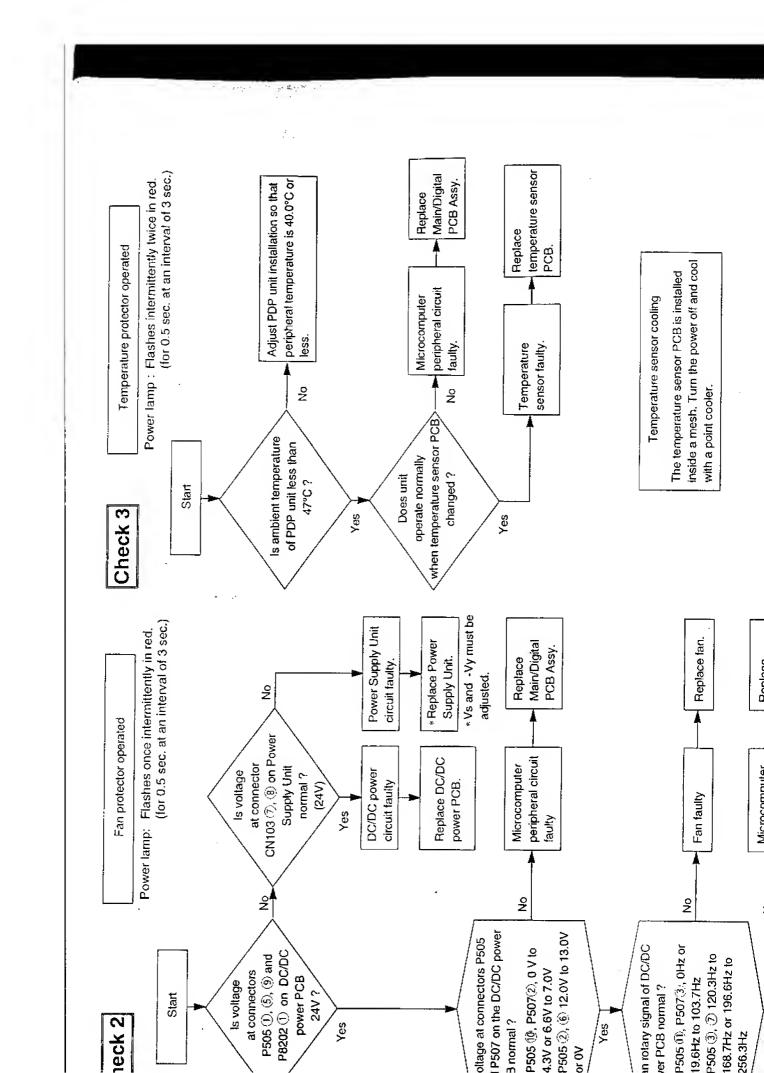
(-/		
LED lamp display status	Cause	Check point
Steady light (Red)	Stand-by status	
Continuous Flashes continuously (Red)	No power Power supply protector operated	AC/DC power unit DC/DC power PCB PDP panel
1 time Flashes once in 3 sec. (Red)	Fan protector operated	FanAC/DC power unitDC/DC power PCBMain/Digital PCB
2 times Flashes twice in 3 sec. (Red)	Temperature protector operated	Ambient temperature of unitSignal PCBTemperature sensor PCB
4 times Flashes four times in 3 sec. (Red)	Main/Digital circuit faulty	Main/Digital PCB
5 times Flashes five times in 3 sec. (Red)	Video circuit faulty	Video PCB Assy

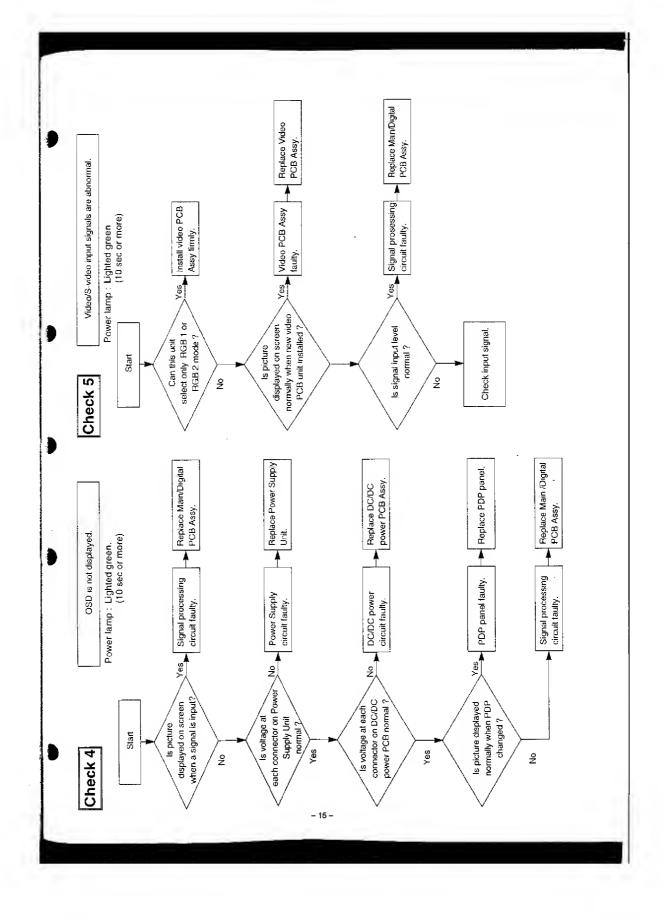
TROUBLESHOOTING FLOWCHART

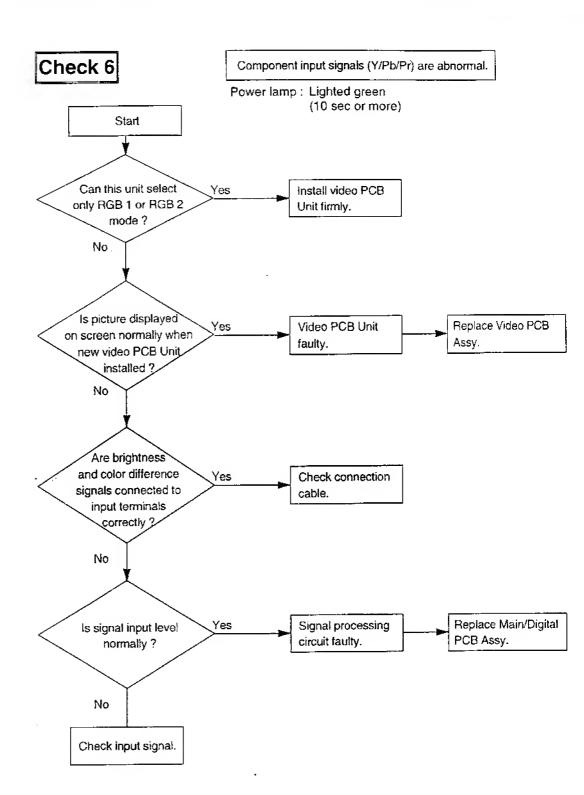
LED lamp blinking



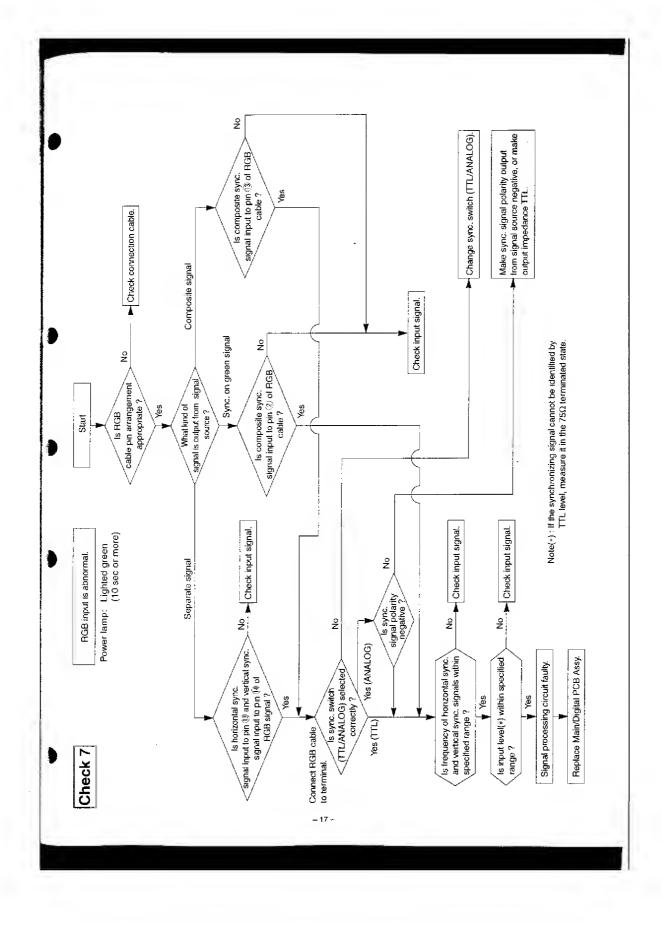


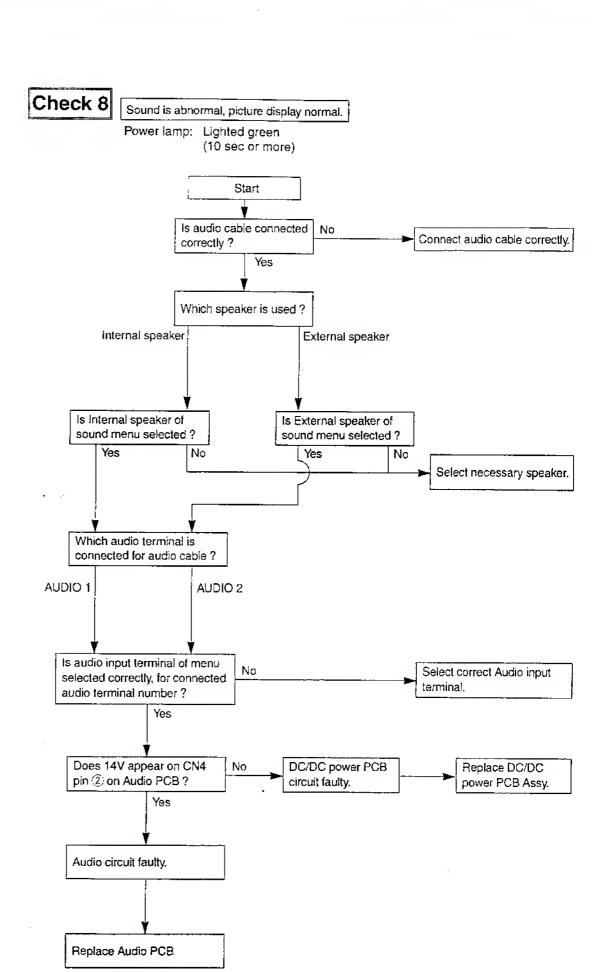






* SYNC, signals are added to the Y signal,





VOLTAGE OF EACH CONNECTOR

Voltage measurement in protect mode

Because the relay signal is "L" in the protect mode, voltages of Vcc, Vs, and Va are not output. The protect mode is reset only when the power SW is turned off. Therefore, when measuring the voltage, turn off the power SW, then turn on the power by remote control. Remeasure the power supply unit protection operation.

· Relay signal

Voltages Vcc, Vs and Va are output only when the relay signal of "CN103-3" is "H". When the microcomputer detects an abnormal voltage, these voltages are not output.

ACON signal

The ACON signal indicates whether or not AC is supplied. The relay signal is output when the ACON signal is "H".

1. Power Supply Unit (PFW-422)

CN1	Ground		
No.	o. NAME SPEC.		Ground
1	Vpr	5V (4.8 to 5.2V)	(2)
7	Vcc 2	24V (23.7 to 24.3V)	(2)

CN4	Ground		
No.	NAME SPEC.		Ground
3	Vsc	116.4 to 123.6V	4
4	-Vy	-150 to -170V	①
6	Vcc 1	5V (4.8 to 5.2V)	1

	CN4	9 Powe	er supply unit	Croup
	No.	NAME	SPEC.	Ground
	1	Vcc 1	5V (4.8 to 5.2V)	2
	3	Ve	15.52 to 16.48V	2
	10	Vs	165.0 to 185.0V	②

CN5	Ground		
No.	NAME	SPEC.	Giodile
1	Vw	164.9 to 175.1V	3
2	Va	64.35 to 65.65V	3

2. DC/DC Power PCB

P503	Cround		
No.	NAME	SPEC.	Ground
2	A 5V	5V (4.75 to5.25V)	Û
4	14 V	13.3 to 14.7V	1
5	Vpr	5V (4.8 to 5.2V)	①
8	D 5V	5V (4.75 to 5.25V)	①
9	D 3.3V	3.2 to 3.4V	①
10	A-5V	-5.25 to -4.75V	①

VS AND -VY ADJUSTMENT

When the Power Supply and PDP units are replaced, Vs and -Vy must be adjusted.

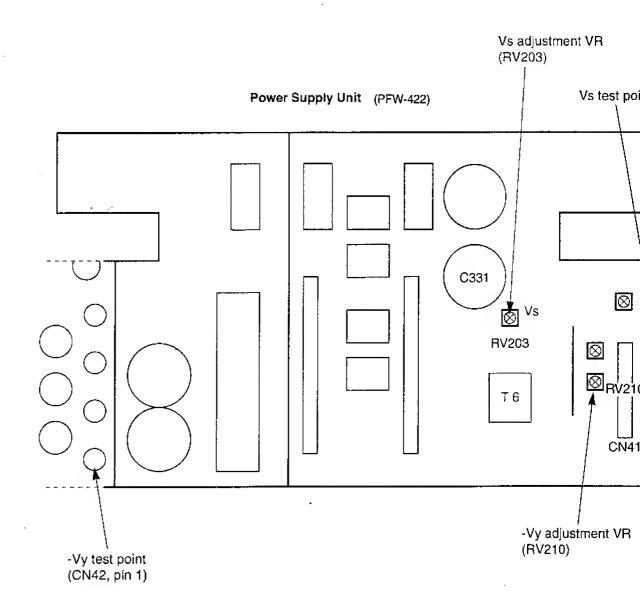
Preparation : Heat-run for 5 minutes with a white pattern in the wide mode.

Adjustment : Adjust Vs and -Vy in the no-signal state (Black picture).

Test and

adjustment points: Refer to the drawing below.

Adjustment value : Within ± 0.1 V of the voltage indicated on the label on the PDP unit.



GENERAL CONNECTION DIAGRAM

